



State Revolving Fund Loan Program  
an Indiana Finance Authority Environmental Program

100 North Senate Avenue, Room 1275  
Indianapolis, Indiana 46204  
[www.srf.in.gov](http://www.srf.in.gov)

**MEMORANDUM**

TO: Official Loan File

FROM: Amanda Rickard

DATE: Feb. 10, 2012

RE: Green Project Reserve (GPR) Categorical Exclusion and Business Case  
Montgomery County Regional Sewer District  
Nucor Road Wastewater Treatment Plant and Collection System  
SRF Project WW 09 75 54 01

Montgomery County Regional Sewer District (MCRSD) proposes to construct a new collection system and wastewater treatment plant (WWTP) to serve property owners currently on septic systems. The collection system project consists of sanitary sewers and manholes, along with two lift stations and associated force mains. The treatment plant project consists of a sequencing batch reactor style WWTP with tertiary filtration and an effluent lift station and associated force main.

Components of this project are considered to be green under two categories: Environmentally innovative and water efficiency. **The environmentally innovative component is the WWTP.** The plant location was selected based on proximity to failing and deficient septic systems, and to the Nucor Steel facility to reuse treated effluent water. It is innovative in the approach to reuse the treated effluent water in an industrial process. A business case was developed by Moore and Bruggink.

**The water efficiency components are the tertiary filters and treated effluent lift station and force main.** These are considered categorical because a potable water source will be replaced with a non-potable source through the wastewater effluent reuse system. Treated effluent from the WWTP will be pumped to the Nucor Steel plant, helping reduce Nucor's consumption of groundwater that must be taken for cooling water. In addition, effluent reuse reduces the amount of electricity needed to pump the water from deep wells.

The total GPR cost is \$4,980,864. Of this, the construction cost based on bids is \$3,996,638 and engineering cost is estimated at \$984,226.

MCRSD plans on closing an SRF loan in the approximate amount of \$10,964,000 on Feb. 24, 2012.

The business case and project descriptions were reviewed and found to meet the GPR requirements for the environmentally innovative and water efficiency categories.

